

ABSTRACT**Method for addressing the participants of a bus system**

The method is provided for addressing the participants of a bus system comprising a control unit, a bus starting from the control unit and a plurality of participants connected to the bus. In the method, each participant not addressed so far feeds an identifying current for identification purposes into the bus, wherein all identifying currents flow through the bus towards the control unit. Each participant not addressed so far detects the current flowing through the bus. Only that participant not addressed so far, which does not detect any current or merely detects a current which is smaller than a predeterminable first threshold value, is identified as a participant not addressed so far. An address for addressing purposes is assigned to the participant thus identified. The aforementioned steps are carried out, without the respective participant addressed last, until all participants not addressed so far are addressed.

(Fig. 1)